

Application No. 10/798,775
Response to Office Action

Customer No. 01933

Amendments to the Specification:

Please amend the paragraph at page 2, lines 10-19 as follows:

Therefore, switching between observation using total reflection of fluorescent light and observation using standard fluorescent light enables the portion of the sample 102 near the cover slip ~~to~~ 100 to be observed with high contrast, and also the entire sample 102 to be observed. In particular, when physiological phenomena of high reaction speed are being observed, prompt switching is required between observation using total reflection of fluorescent light and observation using standard fluorescent light.

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Please amend the paragraph at page 13, lines 6-14 as follows:

Specifically, if an objective 11 with a magnification power of 60 is used, the focal distance f of the objective 11 is given by

$$f = (180 \text{ mm} / 60) = \cancel{2 \text{ mm}} = \underline{3 \text{ mm}}$$

where 180 mm represents the focal distance of the image-forming lens (not shown) for converting, into converged light, the observation light passing through the objective 11, and is determined by the optical structure of the microscope.